

**CLAIMS**

1. An arrangement in the ventilation of a kitchen appliance, which arrangement is arranged to be connected to a ventilation  
5 system, and which arrangement includes
- at least one hood (10), which is intended to be installed above the kitchen appliance (11),
  - an exhaust-air connection (27) in each hood (10), for connecting the hood (10) to the exhaust-air duct (12)  
10 belonging to the ventilation system, and
  - a separator (15), for separating grease from the exhaust air, characterized in that the arrangement further includes a cell (14), which is arranged after the hood (10) and is separate from the hood (10), and to which a separator (15) is fitted,  
15 and which is connected to the exhaust-air duct (12).
2. An arrangement according to Claim 1, characterized in that the cell (14) is an elongated structure, the separator (15) being fitted to one end of it.  
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3. An arrangement according to Claim 2, characterized in that the cell (14) includes a connection (26) for leading the exhaust air from the hood (10) to the cell (14) and which connection (26) is fitted to the opposite end of the cell (14)  
25 to the separator (15).
4. An arrangement according to any of Claims 1 - 3, characterized in that, in the ventilation system, the cell (14) is fitted essentially horizontally relative to its longitudinal  
30 axis.
5. An arrangement according to any of Claims 1 - 4, characterized in that, in the cell (14) there is an intake-air connection (25) for leading intake air into the cell (14) and  
35 thus for using the intake air to alter the temperature and/or flow of the exhaust air.

6. An arrangement according to Claim 5, characterized in that, in connection with the intake-air connection (25), there are means (17 - 20) for regulating the velocity, quantity, and/or temperature of the intake air as desired in the cell  
5 (14).

7. An arrangement according to Claim 5 or 6, characterized in that, in order to feed intake air into the exhaust air, the cell (14) includes a distribution duct (23) and nozzle elements  
10 (21) connected to it.

8. An arrangement according to any of Claims 5 - 7, characterized in that the intake-air connection (25) is connected to the intake-air duct (13) belonging to the ventilation system.  
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9. An arrangement according to any of Claims 1 - 8, characterized in that the cell (14) includes baffle elements (28) for guiding the flow of the exhaust air in the cell (14).

20 10. An arrangement according to any of Claims 1 - 9, characterized in that the cell (14) includes washing elements (31) for distributing washing liquid to the cell (14) and/or the separator (15).

25 11. An arrangement according to any of Claims 1 - 10, characterized in that the width of the cell (14) is 1,1 - 2,0 times, preferably 1,2 - 1,8 times the width of the exhaust-air duct (12), in order to form a mixing chamber.

30 12. An arrangement according to any of Claims 1 - 11, characterized in that the length of the cell (14) is 2 - 6 times, preferably 3 - 5 times the width of the cell (14).

13. An arrangement according to any of Claims 1 - 12,  
35 characterized in that the cubic capacity of the cell (14) is at least 10 % of the minute volume of the flow of exhaust air.